MOBILE IP EXTENSIONS RATIONALIZATION (MIER)

ABSTRACT OF THE DISCLOSURE

5   A new extensions structure for mobile IP control message extensions is employed to conserve the type field. Certain types of extensions, such as network access identifiers, are initially aggregated and sub-types are employed to identify the precise content of the extension (e.g., mobile node network access identifier, home agent network access identifier, foreign agent network access identifier, etc.). Long 10   and short formats for the new extension structure are defined, with the long format applicable to nonskippable extensions carrying more than 256 bytes and the short format backwards compatible with currently defined skippable extensions with less than 256 bytes of data. This will greatly reduce usage of the type field.